

will be held this winter. The courses, with laboratory work, lectures, and seminars, will be a continuation of a series offered at Oak Ridge and will run from January 2-27, January 30 to February 25, and March 6-31, 1950. Thirty-two participants will be accepted for each course, and there will be a registration fee of \$25.00 for each. Application forms and additional information on the courses may be obtained from Dr. Ralph T. Overman, Chairman, Special Training Division, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tennessee.

ESTABLISHED

RADIO PROPAGATION LABORATORY

A new laboratory group, known as the Radio Propagation Laboratory, has been formed at the Pennsylvania State College. The seventeen members of the laboratory are directing their primary attention to studies of the effect of the ionosphere on frequencies below five hundred kilocycles. Two field stations are maintained in the State College area.

CENCO

Central Scientific Company has announced the opening of a new office in New York City to facilitate service in that area on scientific instruments, laboratory supplies, and chemical reagents.

TIN RESEARCH INSTITUTE

Tin Research Institute, Incorporated, a corporation providing free technical consultation service and assistance to users of tin in the United States, has established offices at 492 West Sixth Avenue, Columbus 1, Ohio according to a recent announcement. R. J. Nekervis and R. M. MacIntosh, both formerly members of the non-ferrous division staff of Battelle Memorial Institute, have been appointed supervisors for the new organization.

NEW GULF LABORATORY

A large and carefully designed laboratory building, intended to be the center for all geophysical research activities of the Gulf Oil Corporation, was dedicated in October at Harmarville, Pennsylvania. The new building is to be known as the Leovy Laboratory of Geophysics, in memory of the late Frank Adair Leovy and in tribute to his role in the scientific development of the oil industry.

NEW EQUIPMENT

BARTOL VAN DE GRAAFF

A new high voltage Van de Graaff generator, similar to those under construction at MIT and at Los Alamos, is to be added to the physics equipment of the Bartol Research Foundation of the Franklin Institute. Ground was broken early in October for a building to house the accelerator. According to W. F. G. Swann, director of the Foundation, it will take more than two years to complete the Van de Graaff and put it in operation.

HARVARD'S MARK III

Over six hundred physicists, mathematicians, economists, engineers, and industrialists from all parts of the

country and abroad attended a four-day symposium on large-scale digital calculating machines at the Harvard Computation Laboratory on September 13. The occasion marked the first public demonstration of Harvard University's new Mark III calculating machine, which will be used by the U. S. Navy Bureau of Ordnance.

IOWA SYNCHROTRON

Preliminary tests have been made of the new eighty million volt synchrotron now nearing completion at the Iowa State College Institute for Atomic Research at Ames. Built in Schenectady by the General Electric Company, the accelerator has been assembled in Iowa by members of the physics department and is housed in a specially designed building near the campus. The synchrotron should be ready for operation within the next few months, it has been announced.

HONORS AND AWARDS

AID TO RESEARCH

Grants in aid of scientific research amounting to \$235,000 have been announced by Research Corporation, New York City, a nonprofit organization which distributes its total net income in grants. They will be used to initiate or continue sixty-four research projects (mostly in physics, chemistry, mathematics, and engineering) administered by American colleges, universities, and scientific institutions in twenty-eight states. The latest grants bring to about \$650,000 the total distributed by Research Corporation this year for scientific research.

IES GOLD MEDAL

Ward Harrison, retired director of the engineering division of General Electric Lamp Department, has been awarded the 1949 Illuminating Engineering Society's Gold Medal, the highest award of the Society. The medal is awarded each year "for meritorious achievement conspicuously furthering the profession, art, and knowledge of illuminating engineering."

DISTINGUISHED SERVICE AWARD

Grote Reber, radio physicist in charge of the U. S. government radio observatory at Sterling, Virginia, has been given the annual distinguished service award of the Alumni Association of Illinois Institute of Technology for outstanding professional achievement.

NATURAL SCIENCE FELLOWSHIPS

National Research Fellowships for 1949 have been awarded to Edwin E. Moise of the Institute for Advanced Study, Charles M. Stein of the Institut Henri Poincaré in Paris, Carl B. Seligman of Physikalisches Institut der Eidgenössische Technische Hochschule in Zurich, Marshal H. Wrubel of the Princeton University Observatory, and Sydney C. Wright of the Institute of Nuclear Studies at the University of Chicago. Norman M. Kroll of the Institute for Theoretical Physics in Copenhagen received a renewal of his present fellowship for an additional year. The above fellowships were awarded in the fields of physics, mathematics, and astronomy;